

## POLY ADP-RIBOSE POLYMERASE GENE AND ITS USES

### ABSTRACT

Compositions and methods for influencing the metabolic state of plant cells are provided. The compositions comprise poly ADP-ribose polymerase genes and portions thereof, particularly the maize poly ADP-ribose polymerase gene as well as antisense 5 nucleotide sequences for poly ADP-ribose polymerase genes. The nucleotide sequences find use in transforming plant cells to alter the metabolic state of the transformed plants and plant cells.